

## CHEMISTRY DIVISION, THE NAVAL RESEARCH LABORATORY

### COLLOQUIA PROGRAM FOR 2005-2006

Thursday September 22,  
2005  
10:00 AM

**Professor William A. Goddard, III**  
Charles and Mary Ferkel Professor of Chemistry,  
Materials Science, and Applied Physics  
Director, Materials and Process Simulation Center (MSC)  
California Institute of Technology  
*"First Principles Multi-Paradigm, Multi-Scale Simulations and  
Applications to Polymers, Ceramics, Proteins, Metals,  
Semiconductors, and Catalysis"*

Thursday February 16,  
2006  
10:00 AM

**Professor Dawn Bonnell**  
Trustees Chair Professor  
School of Engineering and Applied Science  
Department of Material Science and Engineering  
University of Pennsylvania  
Philadelphia, PA  
*"Manipulating Charge and Ferroelectric Polarization: A New  
Route Toward Complex Functional Nanostructures"*

Thursday October 20,  
2005  
10:00 AM

**Dr. JoAnn Milliken**  
Chief Engineer  
Office of Hydrogen, Fuel Cells and Infrastructure Technologies  
U.S. Department of Energy  
Washington, DC  
*"Hydrogen - Fuel or Fantasy?"*

Thursday March 23,  
2006  
10:00 AM

**Professor John Hudson**  
Wills Johnson Professor  
Department of Chemical Engineering  
University of Virginia  
Charlottesville, VA  
*"Dynamical Order and Complexity in Rhythmic Chemical  
Systems"*

Thursday November 17,  
2005  
10:00 AM

**Professor Dr. Michael Grunze**  
Chair of Applied Physical Chemistry  
Institute of Physical Chemistry  
University of Heidelberg and University of Maine  
Heidelberg, Germany  
*"Surface Properties of Thin Organic Films in Biotechnology  
and Medical Applications"*

Thursday April 20,  
2006  
10:00 AM

**\*Professor Roald Hoffmann**  
Frank H. T. Rhodes Professor of Humane Letters  
Department of Chemistry and Chemical Biology  
Cornell University  
Ithaca, NY  
*"Honesty to the Singular Object: Some Reflections on Science  
and Ethics"*

Thursday January 19,  
2006  
10:00 AM

**Professor Richard P. Van Duyne**  
Charles E. and Emma H. Morrison Professor of Chemistry  
Department of Chemistry  
Northwestern University  
Evanston, IL  
*"Molecular Plasmonics for Surface Enhanced Sensing and  
Spectroscopy"*

Thursday May 18,  
2006  
10:00 AM

**Berman Awardees of the NRL Chemistry Division**  
TBA

Colloquia will be held in the Conference Room (#155) of the Chemistry Building (#207) except \* which will be held in the Auditorium of Building 222.

This Schedule is subject to change. Notices will be distributed before each Colloquium.

Visitors should contact Marcella Dillard in the administrative office of the Chemistry Division (202) 767-3554 two weeks prior to the Colloquium.